Claims

[c1] An Ethernet switch comprising:
a plurality of ports, said switch configured to be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C, said further configured to be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%, said switch further configured to support at least one of a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c2] A switch in accordance with Claim 1 further configured to be stackable with a second switch.

[c3] A switch in accordance with Claim 1 further configured to transmit data at a speed of at least one Gigabyte per second.

[c4] A switch in accordance with Claim 1 further configured to operate substantially at wire speed.

[c5] A switch in accordance with Claim 1 further configured to be operable under an extended vibration of at least 2g (gravity).

[c6] A switch in accordance with Claim 5 further configured to be operable under a shock vibration of at least 4g.

[c7] A switch in accordance with Claim 1 further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), a Simple Network Management Protocol (SNMP), and a Spanning Tree.

[c8] A switch in accordance with Claim 7 further configured to:
be stackable with a second switch;
be operable under an extended vibration of at least 2g (gravity); and
be operable under a shock vibration of at least 4g.

[c9] A switch in accordance with Claim 8 further configured to operate substantially at wire speed.

[c10] A switch in accordance with Claim 9 further configured to transmit data at a speed

of at least one Gigabyte per second.

[c11] An Ethernet switch comprising:
a plurality of ports, said switch configured to:
support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree;
transmit data at a speed of at least one Gigabyte per second;
be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C;
be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%;
be stackable with a second switch; and
be operable under an extended vibration of at least 2g (gravity).

[c12] An Ethernet network comprising:
a first switch; and
a plurality of user devices operationally coupled to said first switch such that said first switch transfers data from at least one of said devices to a different one of said devices, said first switch configured to:
be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C;
be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%; and
support at least one of a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c13] A network in accordance with Claim 12 further comprising a second switch operationally coupled to said first switch, said second switch and said first switch configured to cooperatively operate as one switch.

[c14] A network in accordance with Claim 12 wherein said first switch further configured to transmit data at a speed of at least one Gigabyte per second.

[c15] A network in accordance with Claim 12 wherein said first switch further configured to be operable under an extended vibration of at least 2g (gravity).

[c16] A network in accordance with Claim 15 wherein said first switch further configured to be operable under a shock vibration of at least 4g.

[c17] A network in accordance with Claim 12 wherein said first switch further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c18] A network in accordance with Claim 17 wherein said first switch further configured to:
be stackable with a second switch;
be operable under an extended vibration of at least 2g (gravity); and
be operable under a shock vibration of at least 4g.

[c19] A network in accordance with Claim 18 wherein said first switch further configured to operate substantially at wire speed.

[c20] A network in accordance with Claim 19 wherein said first switch further configured to transmit data at a speed of at least one Gigabyte per second.